

Notice of Allowability

Application No.

10/685,561

Applicant(s)

VU ET AL.

Examiner

Richard Franklin

Art Unit

2181

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 29 May 2007.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 3/9/07, 8/3/07
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


ALFORD KINDRED
PRIMARY EXAMINER

DETAILED ACTION

1. Claims 1 – 5 are pending.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 09 March 2007 was filed after the mailing date of the non-final office action on 28 February 2007. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

3. The information disclosure statement (IDS) submitted on 03 August 2007 was filed after the mailing date of the non-final office action on 28 February 2007. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

4. Claims 1 – 5 are allowed.
5. The following is an examiner's statement of reasons for allowance:

Claims 1 – 5 are allowable because the prior art of record fails to teach or suggest alone or in combination a method of ***instructing the host processor to operate with the non-memory mapped device memory; putting information on the system bus, wherein the information comprises both a command***

Art Unit: 2181

and an address embedded in a data stream; retrieving the information with a memory map controller interface, wherein responsive to the information, the memory map controller interface (i) selects the non-memory mapped device memory for a memory access if there are more than one, (ii) downloads an appropriate access protocol template of the selected non-memory mapped device memory and performs a series of transactions to setup communication with the selected non-memory mapped device memory, wherein the appropriate access protocol template comprises a previously programmed template for each specific access type, (iii) inserts device information into an appropriate field of a message structure on an external interface bus for transfer to the non-memory mapped device memory according to the information and the template; and operating an actual data transfer with the non-memory mapped device memory according to the device information, wherein the information comprises a mode of operation, chip select, access type, and an address, as required by independent claim 1, in combination with the other recited claim limitations (emphasis added). Support for these limitations can be found in the originally filed specification in paragraphs [0017], [0020], and [0023]. The previously relied upon prior art, US Patent No. 5,594,721 (hereinafter Pan), teaches a system of implementing an application protocol between a communication network subscriber and a caller using a Customer Transaction Profile database to store protocol definitions for network subscribers. However, Pan does not teach putting a command and address embedded in a data stream on the system bus,

Art Unit: 2181

or selecting the non-memory mapped device memory for a memory access.

Applicant has argued this on pages 4 – 5 of the response filed 29 May 2007.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

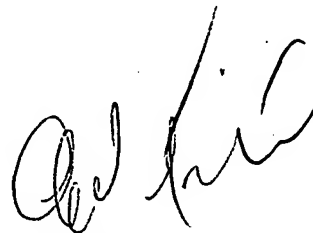
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Franklin whose telephone number is (571) 272-0669. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alford Kindred can be reached on (571) 272-4037. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2181

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Richard Franklin
Patent Examiner
Art Unit 2181



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